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2 **Abstract of the Disclosure**

3 An earth boring bit has rotating cones with two lubricant passages to increase bearing
4 capacity and cause lubricant circulation. A lubricant reservoir in the body supplies lubricant to
5 passages between the cone and bearing pin. A pressure compensator equalizes lubricant pressure
6 to the exterior of the bit. A first passage leads from the reservoir to the upper side of the bearing
7 pin. A second passage leads from the reservoir to the bearing pin at a point from 185 degrees to
8 225 degrees as seen from an inner end of the bearing pin. This point is located in a diverging
9 region 51d of an annular clearance surrounding the bearing pin.

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